

M 5.7, 32 km E of Humahuaca, Argentina

Origin Time: 2020-11-29 16:40:44 UTC (Sun 13:40:44 local)

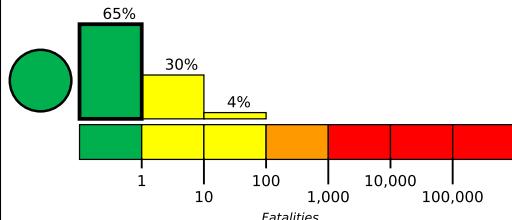
Location: 23.2634° S 65.0344° W Depth: 8.0 km

PAGER
Version 5

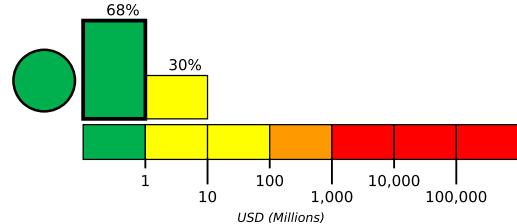
Created: 6 days, 22 hours after earthquake

Estimated Fatalities

Green alert for shaking-related fatalities and economic losses. There is a low likelihood of casualties and damage.



Estimated Economic Losses

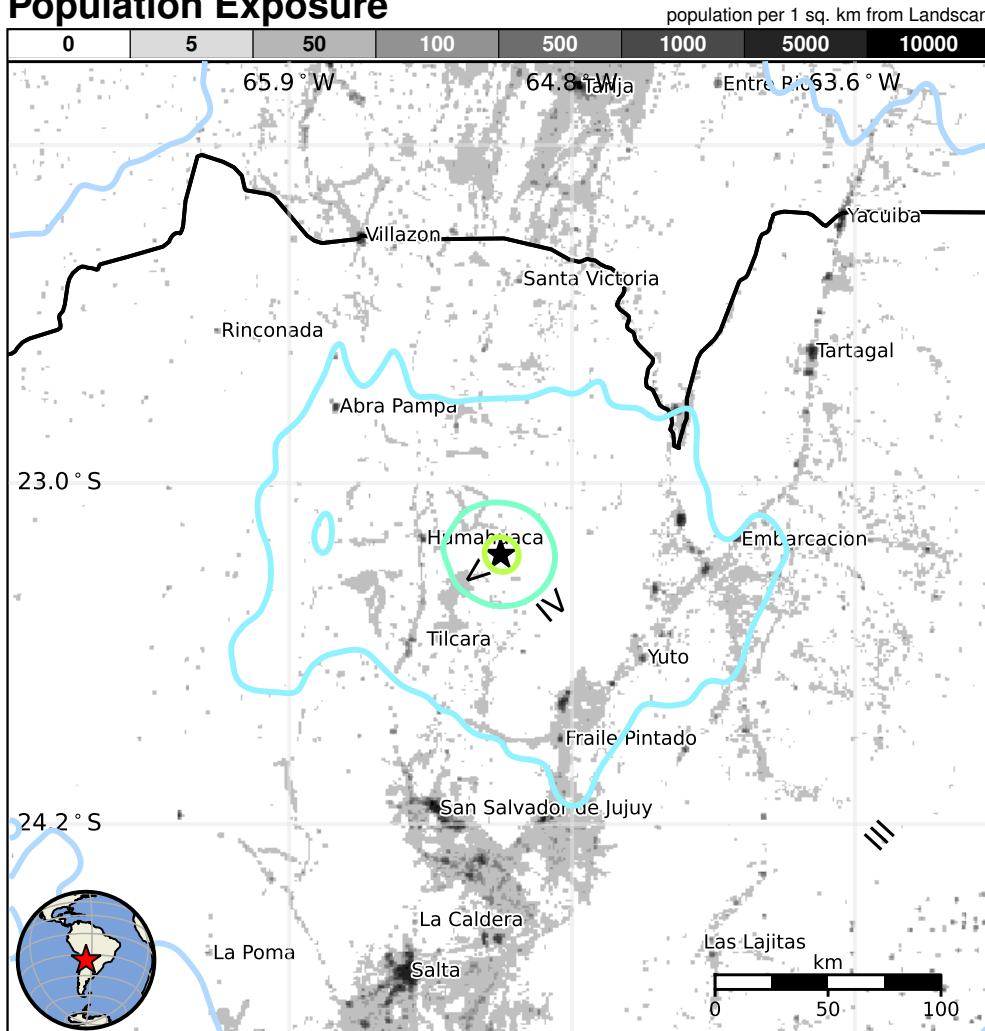


Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k=x1000)	-*	2,135k	338k	3k	0	0	0	0	0
ESTIMATED MODIFIED MERCALLI INTENSITY	I	II-III	IV	V	VI	VII	VIII	IX	X+
PERCEIVED SHAKING	Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
POTENTIAL DAMAGE	Resistant Structures	None	None	None	V. Light	Light	Moderate	Mod./Heavy	Heavy
	Vulnerable Structures	None	None	None	Light	Moderate	Mod./Heavy	Heavy	V. Heavy

*Estimated exposure only includes population within the map area.

Population Exposure



Structures

Overall, the population in this region resides in structures that are vulnerable to earthquake shaking, though resistant structures exist. The predominant vulnerable building types are mud wall and informal (metal, timber, GI etc.) construction.

Historical Earthquakes

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
1990-08-29	139	4.6	III(25k)	-
1973-11-19	151	5.9	VII(9k)	-
1974-07-01	132	6.5	VIII(2k)	-

Selected City Exposure

from GeoNames.org

MMI	City	Population
IV	Valle Grande	<1k
IV	Humahuaca	11k
IV	San Ramon de la Nueva Oran	74k
IV	Calilegua	5k
IV	Libertador General San Martin	49k
IV	Tilcara	6k
III	Salta	513k
III	San Salvador de Jujuy	306k
III	Tartagal	61k
III	Tarija	159k
III	Yacuiba	83k

PAGER content is automatically generated, and only considers losses due to structural damage.

Limitations of input data, shaking estimates, and loss models may add uncertainty.

<https://earthquake.usgs.gov/earthquakes/eventpage/us7000ckx5#pager>

bold cities appear on map.

(k=x1000)

Event ID: us7000ckx5